

AIRCRAFT REGISTRATION MASTER FILE

Contains the records of all U.S. Civil Aircraft maintained by the FAA, Civil Aviation Registry, Aircraft Registration Branch, AFS-750

Element	Position Location in Record	Number of Positions	Descriptions
N-Number	1-5	5	Identification number assigned to aircraft.
Serial Number	7-36	30	The complete aircraft serial number assigned to the aircraft by the manufacturer.
Aircraft Mfr Model Code	38-44	7	A code assigned to the aircraft manufacturer, model and series. Positions (36-38) - Manufacturer Code Positions (39-40) - Model Code Positions (41-42) - Series Code
Engine Mfr Mode Code	46-50	5	A code assigned to the engine manufacturer and model. Positions (43-45) - Manufacturer Code Positions (46-47) - Model Code
Year Mfr	52-55	4	Year manufactured.
Type Registrant	57	1	1 - Individual 2 - Partnership 3 - Corporation 4 - Co-Owned 5 - Government 8 - Non Citizen Corporation 9 - Non Citizen Co-Owned
Registrant's Name	59-108	50	The first registrant's name which appears on the Application for Registration, FAA Form 8050-1.
Street1	110-142	33	The street address which appears on the Application for Registration, FAA Form 8050-1 or the latest street address reported.
Street2	144-176	33	The 2 nd street address which appears on the Application for Registration, FAA, Form 8050-1, or the latest street address reported.
Registrant's City	178-195	18	The city name which appears on the Application for Registration, FAA Form

Element	Position Location in Record	Number of Positions	Descriptions
			8050-1 or the latest address reported.
Registrant's State	197-198	2	The state name which appears on the Application for Registration, FAA Form 8050-1 or the latest address reported.
Registrant's Zip Code	200-209	10	The postal Zip Code which appears on the Application for Registration, FAA Form 8050-1 or the latest address reported.
Registrant's Region	211	1	1 - Eastern 2 - Southwestern 3 - Central 4 - Western-Pacific 5 - Alaskan 7 - Southern 8 - European C- Great Lakes E - New England S - Northwest Mountain
County Mail	213-215	3	A code representing the county which appears on the Application for Registration.
Country Mail	217-218	2	A code representing the country which appears on the Application for Registration.
Last Action Date	220-227	8	Format YYYY/MM/DD
Certificate Issue Date	229-236	8	Format YYYY/MM/DD
Certification requested and uses:			
A - Airworthiness Classification Code	238	1	The airworthiness certificate class which is reported on the Application for Airworthiness, FAA 8130-6. 1 - Standard 2 - Limited 3 - Restricted 4 - Experimental 5 - Provisional 6 - Multiple 8 - Special Flight Permit
B - Approved Operation Codes	239-247	9	The approved operations (up to a maximum of six) which are reported on the Application for Airworthiness, FAA

Element	Position Location in Record	Number of Positions	Descriptions
			Form 8130-6.
Standard	238	1	
	239	1	Blank N - Normal U - Utility A - Acrobatic T - Transport G - Glider B - Balloon
	240-247	8	Positions are blank.
Limited	238	1	
	239-247	9	Positions are blank.
Restricted	238	1	
	239-245	7	May contain a code of 0-6. 0 - Other 1 - Agriculture and Pest Control 2 - Aerial Surveying 3 - Aerial Advertising 4 - Forest 5 - Patrolling 6 - Weather Control
	246-247	2	Positions are blank
Experimental	238	1	
	239-245	7	May contain a code of 0-6. 0 - To show compliance with FAR 1 - Research and Development 2 - Amateur Built 3 - Exhibition 4 - Racing 5 - Crew Training 6 - Market Survey
	246-247	2	Positions are blank
Provisional	238	1	
	239	1	1 - Class I 2 - Class II
	240-247	8	Positions are blank

Element	Position Location in Record	Number of Positions	Descriptions
Multiple	238	1	
	239-240	2	May contain a code of 1-3. 1 - Standard 2 - Limited 3 - Restricted
	241-247	7	May be blank or contain: 0 - Other 1 - Agriculture and Pest Control 2 - Aerial Surveying 3 - Aerial Advertising 4 - Forest 5 - Patrolling 6 - Weather Control
Special Flight Permit	238	1	
	239-247	9	May contain a code of 1-5. 1 - Ferry flight for repairs, alterations, maintenance or storage 2 - Evacuate from area of impending danger 3 - Operation in excess of maximum certificated 4 - Delivery or export 5 - Production flight testing
Type Aircraft	249	1	1 - Glider 2 - Balloon 3 - Blimp/Dirigible 4 - Fixed wing single engine 5 - Fixed wing multi engine 6 - Rotorcraft
Type Engine	251	1	0 - None 1 - Reciprocating 2 - Turbo-prop 3 - Turbo-shaft 4 - Turbo jet 5 - Turbine air generator 6 - Ramjet 9 - Unknown
Status Code	253	1	blank - N-Number assigned A - The Triennial Aircraft Registration form was mailed and has not been returned by the Post Office M - Aircraft registered to the

Element	Position Location in Record	Number of Positions	Descriptions
			<p>manufacturer under their Dealer Certificate</p> <p>N - Foreign companies which have not returned their flight hour reports</p> <p>R - Registration pending</p> <p>1 - Triennial Aircraft Registration form was returned by the Post Office as undeliverable</p> <p>3 - N-Number assigned as amateur-built - but not yet registered</p> <p>4 - N-Number assigned as import - but not yet registered</p> <p>5 - Reserved N-Number</p> <p>6 - Administratively canceled</p> <p>7 - Sale reported</p> <p>8 - A second attempt has been made at mailing a Triennial Aircraft Registration form to the owner with no response</p> <p>9 - Certificate of Registration has been revoked</p>
Mode S Code	255-262	8	Aircraft Transponder Code
Fractional Ownership	264	1	Y - Registration has fractional ownership blank - Registration is not fractional owned
SEQUENCE	N-Number (positions 1-5)		
RECORD LENGTH	265 characters (Record is comma delimited)		

AIRCRAFT REFERENCE FILE

The two reference files are required to identify the aircraft manufacturer/model/series codes and the engine manufacturer/model codes.

Element	Position Location in Record	Number of Positions	Descriptions
Aircraft Manufacturer, Model and Series Code	1-7	7	A code assigned to the aircraft manufacturer, model and series. Positions (36-38) - Manufacturer Code Positions (39-40) - Model Code Positions (41-42) - Series Code
Aircraft Manufacturer Name	9-38	30	Name of the aircraft manufacturer.
Model Name	40-59	20	Name of the aircraft model and series.
Type Aircraft	61	1	1 - Glider 2 - Balloon 3 - Blimp/Dirigible 4 - Fixed wing single engine 5 - Fixed wing multi engine 6 - Rotorcraft
Type Engine	63	1	0 - None 1 - Reciprocating 2 - Turbo-prop 3 - Turbo-shaft 4 - Turbo jet 5 - Turbine air generator 6 - Ramjet 9 - Unknown
Aircraft Category Code	65	1	1 - Land 2 - Sea 3 - Amphibian
Amateur Certification Code	67	1	0 - Not Amateur 1 - Amateur Certification
Number of Engines	69-70	2	Number of engines on the aircraft
Number of Seats	72-74	3	Maximum number of seats in the aircraft.
Aircraft Weight	76-82	7	Aircraft maximum gross take off weight in pounds. 1 - Up to 12,499 2 - 12,500 - 19,999 3 - 20,000 and over.

Element	Position Location in Record	Number of Positions	Descriptions
Aircraft Cruising Speed	84-87	4	Aircraft average cruising speed in miles per hour. This data element is not present on all records.
SEQUENCE RECORD LENGTH	Aircraft Manufacturer/Model/Series Code 88 characters (Record is comma delimited)		

ENGINE REFERENCE FILE

Element	Position Location in Record	Number of Positions	Description
Engine Manufacturer and Model Code	1-5	5	A code assigned to the engine manufacturer and model. Positions (43-45) - Manufacturer Code Positions (46-47) - Model Code
Engine Manufacturer Name	7-16	10	Then name of the engine manufacturer.
Engine Model Name	18-30	13	The name of the engine model
Type Engine	32	1	0 - None 1 - Reciprocating 2 - Turbo-prop 3 - Turbo-shaft 4 - Turbo jet 5 - Turbine air generator 6 - Ramjet 9 - Unknown
Engine Horsepower or Pounds of Thrust	34-38	5	Horsepower for reciprocating engines.
Fuel Consumed	40-45	6	Gallons of fuel consumed per hour, recorded in 2 decimal positions. This data element is not present in all records.
SEQUENCE RECORD LENGTH	Engine Manufacturer/Mode Code (positions 1-5) 46 characters (Record is comma delimited)		

AIRCRAFT DOCUMENT INDEX FILE

Contains data on each document for recordation with the FAA Aircraft Registry and it is indexed by collateral identification (usually aircraft registration "N" number).

Element	Position Location in Record	Number of Positions	Description
Type Collateral	1	1	1 - Aircraft 2 - Engine 3 - Propeller 4 - Spare Parts 5 - Document 9 - Unidentified
Collateral	3-32	30	Contents are based on type collateral code, as follows: 1 - Aircraft N-Number 2 - Engine Make, Model and Serial Number 3 - Propeller Make, Model and Serial Number 4 - Spare Parts Location 5 - "DOC", followed by recordation number 9 - "UNIDENTIFIED" or a partial description of the document
Name of Party	34-65	32	Name of party for document being indexed.
Multi-party Code	67	1	Contains an asterisk (*) if name of party in this record appears in more than one capacity or on multiple documents or on duplicate documents affecting the same collateral.
Microfilm Reference Number	69-73	5	Numeric location on microfilm of document Number being indexed.
Multi-Collateral Code	75	1	Contains an asterisk (*) if the document being indexed involves multiple collateral.
Document Receipt Date	77-84	8	Month, day and year document being indexed was filed for recordation with the Aircraft Registry. Recorded as YYYYMMDD.
Processing Date	86-93	8	Date record was entered into file. YYMMDD format.
Correction Date	95-102	8	Date of latest correction. Blank unless

Element	Position Location in Record	Number of Positions	Description
			corrections have been made to record. YYYYMMDD format.
Correction Identification	104	1	Denotes if record has been added or corrected. A - Record was added C - Record was changed
Serial Id	106-135	30	Serial Number for engine or propeller.
SEQUENCE	Major: Type Collateral Minor: Collateral Minor: Date of Receipt Minor: Name of Party		
RECORD LENGTH	136 characters (Record is comma delimited)		

RESERVE N-NUMBER FILE

This file contains names and addresses of persons and/or companies who have reserved the Aircraft Registration N-number. File is in N-number sequence.

Element	Position Location in Record	Number of Positions	Description
N-Number	1-5	5	N-Number
Registrant	7-56	50	Reserving Party Name
Street Address	58-90	33	The address of the reserving party.
Street2	92-124	33	2 nd street if applicable.
City	126-143	18	City/Town name
State	145-146	2	Two digit state code
Zip Code	148-157	10	Postal zip code
Reserve Date	159-166	8	Format YYYYMMDD
Type Reservation	168-169	2	Two digit code take from Type Reservation. AA - Reserved - no fee A - No fee, notice for expiration sent HD -2 year hold for canceled N-Numbers FN - Fee paid, notice for expiration sent FP - Fee paid MF - Reserved to manufacturer - no fee, no expiration date MT - Reserved to manufacturer - temporary number NC - N-Number change is in process NN - N-Number change is in process, expiration notice sent
Expiration Notice Date	171-178	8	Format YYYYMMDD
N-Number for Change	180-184	5	Changed N-Number
SEQUENCE RECORD	N-Number 185 characters (Record is comma delimited)		

AIRCRAFT DEALER APPLICANT FILE

This file contains aircraft dealers and aircraft manufacturers who have made application for Dealer's Aircraft Registration Certificates. All records which exists on the AR Dealer Data Base File appear in this file.

Element	Position Location in Record	Number of Positions	Description
Certificate Number	1-7	7	Format is 'YY-NNNN' where 'YY' is year. 'NNNN' is a unique four position numeric field with leading zeros.
Ownership	9	1	One position numeric field. As follows: 1 - Individual 2 - Partnership 3 - Corporation 4 - Co-Ownership
Certificate Issue Date	11-18	8	Format is YYYYMMDD.
Expiration Date	20-27	8	Format is YYYYMMDD.
Expiration Flag	29	1	Contains '*' for all expired records. An expired record remains on file for 90 days.
Cumulative Issue Count	31-34	4	Cumulative count of total Dealer's Aircraft Registration Certificates issued for a Certificate Number.
Name	36- 85	50	Aircraft Dealer's Name.
Street1 Address	87-119	33	Mailing street address for applicant.
Street2 Address	121-153	33	2 nd mailing street address for applicant.
City	155-172	18	City of applicant.
State	174-175	2	State or foreign country of applicant.
Zip Code	177-186	10	Ten position alpha field or 'FORGN' for foreign countries.
Other Names Count	188-189	2	Number of other names.
Other Name 1	191-240	50	1 st co-owner or partnership name
Other Name 2	242-291	50	2 nd co-owner or partnership name
Other Name 3	293-342	50	3 rd co-owner or partnership name
Other Name 4	344-393	50	4 th co-owner or partnership name

Element	Position Location in Record	Number of Positions	Description
Other Name 5	395-444	50	5 TH co-owner or partnership name
Other Name 6	446-495	50	6 th co-owner or partnership name
Other Name 7	497-546	50	7 th co-owner or partnership name
Other Name 8	548-597	50	8 th co-owner or partnership name
Other Name 9	599-648	50	9 th co-owner or partnership name
Other Name 10	650-699	50	10 th co-owner or partnership name
Other Name 11	701-750	50	11 th co-owner or partnership name
Other Name 12	752-801	50	12 th co-owner or partnership name
Other Name 13	803-852	50	13 th co-owner or partnership name
Other Name 14	854-903	50	14 th co-owner or partnership name
Other Name 15	905-954	50	15 TH co-owner or partnership name
Other Name 16	956-1005	50	16 th co-owner or partnership name
Other Name 17	1007-1056	50	17 th co-owner or partnership name
Other Name 18	1058-1107	50	18 th co-owner or partnership name
Other Name 19	1109-1158	50	19 th co-owner or partnership name
Other Name 20	1160-1209	50	20 th co-owner or partnership name
Other Name 21	1211-1260	50	21 st co-owner or partnership name
Other Name 22	1262-1311	50	22 nd co-owner or partnership name
Other Name 23	1313-1362	50	23 rd co-owner or partnership name
Other Name 24	1364-1413	50	24 th co-owner or partnership name
Other Name 25	1415-1464	50	25 th co-owner or partnership name

SORT SEQUENCE:

= N/A

RECORD:

= 1466 (Record is comma delimited)